Biological Psychiatry

A Journal of Psychiatric Research

Contents

Volume 22, Number 1, January 1987

1 EDITORIAL 5-HT, a Neurotransmitter for all Seasons?

ARTICLES

4 Computed Tomography in Affective Disorders. Part I. Ventricular and Sulcal Measurements
Sabine Schlegel and Konrad Kretzschmar

15 Computed Tomography in Affective Disorders. Part II. Brain Density
Sabine Schlegel and Konrad Kretzschmar

24 Urinary Free Cortisol in Psychotic Depression
Raymond F. Anton

35 High-Dose Naltrexone Therapy and Dietary Counseling for Obesity
James E. Mitchell, John E. Morley, Alan S. Levine, Dorothy Hatsukami, Mary Gannon, and David Pfohl

43 Regional Cerebral Glucose Metabolism in Anorexia Nervosa Measured by Positron Emission Tomography
K. Herholz, J.C. Krieg, H.M. Emrich, G. Pawlik, C. Beil, K.M. Pirke, J.J. Pahl, R. Wagner, K. Wienhard, D. Ploog, and W.-D. Heiss

52 Platelet [^{3}H]Imipramine Binding in Patients with Panic Disorder
Thomas W. Uhde, Wade H. Berrettini, Peter P. Roy-Byrne, Jean-Philippe Boulenger, and Robert M. Post

59 Platelet [^{3}H]Imipramine Binding in Generalized Anxiety Disorder, Panic Disorder, and Agoraphobia with Panic Attacks
Lon S. Schneider, Dennis Munjack, James A. Severson, and Ruby Palmer

67 Nicotine Exposure and Tardive Dyskinesia
Ramzy Yassa, Samarthji Lal, Andras Korpassy, and Julie Ally

73 A Diffusional Contribution to Lithium Isotope Effects
Perry F. Renshaw

79 Remote and Recent Memory in Long-Hospitalized Chronic Schizophrenics
Avraham Calev, Hagith Berlin, and Bernard Lerer

COMMENT

86 Hormonal Probes of Central Serotonergic Activity: Do They Really Exist?
Herman M. van Praag, Carmen Lemus, and Rene Kahn

CASE REPORT

99 Iatrogenic Torsade de Pointes Induced by Thioridazine
N. Kiriike, Y. Maeda, S. Nishiwaki, Y. Izumiya, S. Katahara, K. Mui, Y. Kawakita, T. Nishikimi, K. Takeuchi, and T. Takeda

BRIEF REPORTS

104 Interferon Decreases REM Latency
Martin Reite, Mark Laudenslager, James Jones, Linda Crnic, and Kristine Kaemingk

107 The Calming Effects of Negative Air Ions on Manic Patients: A Pilot Study
John Misiaszek, Frank Gray, and Alayne Yates

CORRESPONDENCE

111 Tardive Dyskinesia after Low-Dose Haloperidol; Lecithin and Piracetam in Alzheimer's Disease; Plasma Volume in Senile and Presenile Alzheimer's Disease; Locus Coeruleus and Anxiety; Response

118 NEWS AND NOTES

Volume 22, Number 2, February 1987

121 EDITORIAL Water Homeostasis in Psychiatric Patients

ARTICLES

126 Different Patterns of Local Brain Energy Metabolism Associated with High and Low Doses of Methylphenidate. Relevance to Its Action in Hyperactive Children
Linda J. Porrino and Giovanni Lucignani

139 Central Catecholamines, Cognitive Impairment, and Affective State in Elderly Schizophrenics and Controls
T. Peter Bridge, Joel E. Kleinman, Beth J. Soldo, and Farouk Karoum

148 Urinary Free Cortisol and Separation Anxiety Early in the Course of Bereavement and Threatened Loss
Selby C. Jacobs, John Mason, Thomas R. Kosten, Stanislav V. Kasl, Adrian M. Ostfeld, and Victor Wahby

153 The HPA Axis Response to Insulin Hypoglycemia in Depression
Juan F. Lopez, Roger G. Kathol, Richard S. Jaeckle, and William Meller

167 Thyrotropin, Prolactin, and Growth Hormone Responses to Thyrotropin-Releasing Hormone in Anorexia Nervosa and Bulimia
N. Kiriike, S. Nishiwaki, Y. Izumiya, Y. Maeda, and Y. Kawakita

177 Prediction of Subtype and Severity of Depression by Means of Dexamethasone Suppression Test, L-Tryptophan: Competing Amino Acid Ratio, and MHPG Flow
Michaël H. J. Maes, Marcel De Ruyter, and Eduard Suy

189 TRH Test, DST, and Response to Desipramine in Primary Degenerative Dementia
T. W. McAllister and L. R. Hays

194 Plasma Phenylethylamine and Phenylalanine in Chronic Schizophrenic Patients
Herman V. Szymanski, Edwin W. Naylor, and Farouk Karoum

199 Multivariate Analyses of the EEG in Normal Adolescents
N. D. Volkow, F. Gomez-Mont, S. Inamdar, M. Lamella, L. Prichep, and R. John

COMMENT

205 Therapeutic Indications for Serotonin-Potentiating Compounds: A Hypothesis
H. M. van Praag, R. Kahn, G. M. Asnis, C. Z. Lemus, and S. L. Brown

BRIEF REPORTS

213 Effect of Treatment on Plasma Cortisol and Dexamethasone
Stanley W. Carson and Uriel Halbreich

216 Failure to Alleviate Symptoms of Schizophrenia with the Novel Use of an Antiviral Agent, Acyclovir (Zovirax)
Lynn E. DeLisi, Lynn R. Goldin, John I. Nurnberger, Susan Simmons-Alling, Joel Hamovit, and C. Wesley Dingman

221 HLA Haplotype A26-B38 in Affective Disorders: Lack of Association
Joseph Biederman, Martin Keller, Phillip Lavori, Jerold Harmatz, Debra Knee, Devandra Dubey, and Edmond Yunis

224 Diurnal Variation of Sodium and Water Metabolism Among Patients with Psychosis, Intermittent Hyponatremia, and Polydipsia (PIP Syndrome)
W. V. R. Vieweg, G. R. Yank, W. T. Rowe, and L. S. Hovermale

228 Serial Assessment of Corticotropin-Releasing Hormone Response after Dexamethasone in Depression. Implications for Pathophysiology of DST Nonsuppression
F. Holsboer, U. von Bardeleben, K. Wiedemann, O. A. Müller, and G. K. Stalla

234 Cholinesterase Activities in Blood in Infantile Autism
Stephen I. Deutsch, Mayer Milstoc, Gerald Platovsky, Barbara B. Wolsky, Richard Perry, and Wayne H. Green

CORRESPONDENCE

237 Sequelae of Neuroleptic Malignant Syndrome; Response; Long-Term Outcome of Neuroleptic Malignant Syndrome; Lithium Discontinuation, Serum Cortisol, and 5-HTP

242 NEWS AND NOTES

Volume 22, Number 3, March 1987

245 EDITORIAL DST Update: The Hypothalamic–Pituitary–Adrenocortical Axis and Affective Illness

ARTICLES

249 Studies of Dosage, Seizure Threshold, and Seizure Duration in ECT
Harold A. Sackeim, Paolo Decina, Stephanie Portnoy, Priscilla Neeley, and Sidney Malitz

269 Conditioning and the Delayed Onset of a Haloperidol-Induced Behavioral Effect
Robert J. Carey

278 Platelet [^{3}H]Imipramine Binding in Psychiatric Disorders
Philip D. Kanof, Emil F. Coccaro, Celeste A. Johns, Larry J. Siever, and Kenneth L. Davis

287 Changes in [^{3}H]5-HT Uptake and [^{3}H]Imipramine Binding in Platelets after Chlorimipramine in Healthy Volunteers. Comparison with Maprotiline and Amineptine
M.F. Poirier, A.M. Galzin, H. Loo, C. Pimoule, A. Segonzac, C. Benkelfat, D. Sechter, E. Zarifian, H. Schoemaker, and S.Z. Langer

303 P3 Abnormality in Fragile X Syndrome
David M. St. Clair, Douglas H.R. Blackwood, Christopher J. Oliver, and Paul Dickens

313 Electrophysiological and Behavioral Correlates of Psychomotor Responsivity in Depression
Verner J. Knott and Yvon D. Lapierre

325 Relationship of Neurological Abnormalities in Schizophrenics to Family Psychopathology
Bryan T. Woods, Deborah Yurgelun-Todd, and Dennis K. Kinney

332 Serial Dexamethasone Suppression Tests in Simultaneous Panic and Depressive Disorders
Leon Grunhaus, Pam Flegel, Roger F. Haskett, and John F. Greden

339 Biological Markers in Panic States: Lactate-Induced Panic and Mitral Valve Prolapse
Stephen R. Dager, Deborah S. Cowley, and David L. Dunner

360 DST Nonsuppressor Status: Relationship to Specific Aspects of the Depressive Syndrome
George Winokur, Donald W. Black, and Amelia Nasrallah

CASE REPORT
369 Treatment of Social Phobia with Clonidine
Susanna Goldstein

REVIEW
373 Dexamethasone Bioavailability: Implications for DST Research
Martin T. Lowy and Herbert Y. Meltzer

BRIEF REPORTS
386 Depressive Symptoms and the Dexamethasone Suppression Test in Parkinsonian Patients
M. Luiz Frochtengarten, João C.B. Villares, Eliana Maluf, and E.A. Carlini

389 The Influence of Daytime Naps on the Therapeutic Effect of Sleep Deprivation
Michael Wiegand, Mathias Berger, Jürgen Zulley, Christoph Lauer, and Detlev von Zerssen

393 Tardive Dyskinesia and Cognitive Impairment
James B. Wade, Michael Alan Taylor, Arlene Kasprisin, Samuel Rosenberg, and Denise Fiducia

CORRESPONDENCE
396 NMR Chemistry of Red Blood Cell Constituents

398 NEWS AND NOTES

Volume 22, Number 4, April 1987

401 EDITORIAL The Irrationals

ARTICLES
403 5-HIAA and HVA in CSF in Patients with Idiopathic Pain Disorders
Béla G.L. Almay, Jan Häggendal, Lars von Knorring, and Lars Oreland

413 Increased CSF Amino Acids and Ventricular Enlargement in Schizophrenia: A Preliminary Study
Michael A. Reveley, Jackie De Belleroche, Alberto Recordati, and Steven R. Hirsch

421 Increased Plasma Phospholipase-A2 Activity in Schizophrenic Patients: Reduction after Neuroleptic Therapy
Wagner F. Gattaz, Manfred Köllisch, Tom Thuren, Jorma A. Virtanen, and Paavo K.J. Kinnunen

427 Neuroleptic-Induced Parkinsonism in Older Schizophrenics
William F. Hoffman, Sharon M. Labs, and Daniel E. Casey

440 Event-Related EEG Field Changes in Aroused Subjects and Schizophrenic Patients
Kenneth Lifshitz, Kai L. Lee, and Robert T. O'Keeffe

453 Antipsychotic Drugs and Plasma Vasopressin in Normals and Acute Schizophrenic Patients
Murray A. Raskind, Neelima Courtney, M. Michele Murburg, Frank I. Backus, John A. Bokan, Richard K. Ries, Daniel M. Dorsa, and Richard E. Weitzman

463 Serial Dexamethasone Suppression Tests in Initial Suppressors and Nonsuppressors Treated with Electroconvulsive Therapy
D.P. Devanand, Paolo Decina, Harold A. Sackeim, Nancy Hopkins, Hana Novacenko, and Sidney Malitz

473 Effects of Light on Melatonin Production
Philip Boyce and David J. Kennaway

479 Positron Emission Tomography Studies of Basal Ganglia and Somatosensory Cortex Neuroleptic Drug Effects: Differences between Normal Controls and Schizophrenic Patients
Monte S. Buchsbaum, Joseph C. Wu, Lynn E. DeLisi, Henry H. Holcomb, Erin Hazlett, Katharine Cooper-Langston, and Robert Kessler

495 Amitriptyline Supersensitizes a Central Cholinergic Mechanism
Steven C. Dilsaver, R. Michael Snider, and Norman E. Alessi

BRIEF REPORTS

508 The Prolactin Response to Metoclopramide Is Increased in Depression and in Euthymic Rapid Cycling Bipolar Patients
Peter R. Joyce, Richard A. Donald, John H. Livesey, and Robyn M. Abbott

513 Hypothalamic Peptide Modulation of EEG Sleep in Depression: A Further Application of the S-Process Hypothesis
Cindy L. Ehlers and David J. Kupfer

517 The Dexamethasone Suppression Test in Inpatients with Panic Disorder or Agoraphobia with Panic Attacks
Leon Grunhaus, Dolores Tiongco, Roger F. Haskett, and John F. Greden

CORRESPONDENCE

522 The History of Lithium;Response;Bromocriptine in Neuroleptic Resistance; Response

Volume 22, Number 5, May 1987

525 EDITORIAL Towards Psychiatric Détente; In Search of a Common Language

ARTICLES

529 Appetite and Food Preference in Depression: Effects of Imipramine
Madelyn H. Fernstrom, Rochelle L. Krowinski, and David J. Kupfer

540 Systemic Lithium Administration Alters Rat Cerebral Cortex Phospholipids
Natalie E. Joseph, Perry F. Renshaw, and John S. Leigh, Jr.

545 Glucose Utilization in the Temporal Cortex of Affectively Ill Patients: Positron Emission Tomography
Robert M. Post, Lynn E. DeLisi, Henry H. Holcomb, Thomas W. Uhde, Robert Cohen, and Monte S. Buchsbaum

554 Do Higher Preinfusion Heart Rates Predict Laboratory-Induced Panic Attacks?
Vikram K. Yeragani, Richard Balon, Robert Pohl, Aurelio Ortiz, Paula Weinberg, and John M. Rainey

559 Serial DST, TRH Test, and TRH-like Immunoreactivity Measurements in Major Affective Disorders
N. Itoh, N. Matsui, S. Fuwano, H. Yaginuma, O. Miyashita, and M. Sakai

573 The Influence of the Muscarinic Agonist RS 86 on the Cortisol System
Jürgen-Christian Krieg, Sabine Bossert, Karl-Martin Pirke, Detlev von Zerssen, and Mathias Berger

583 Multiple Depressive Episodes and Plasma Postdexamethasone Cortisol Levels
James H. Meador-Woodruff, George Gurguis, Leon Grunhaus, Roger F. Haskett, and John F. Greden

593 Conditioned Avoidance Acquisition and Extinction following Repeated Electroconvulsive Shock: Strain Effect and Response to Vasopressin
Rachel Hamburger-Bar, Seth Kindler, Tamar Bertish, and Bernard Lerer

603 Neurophysiological Assessment of Sensory Gating in Psychiatric Inpatients: Comparison between Schizophrenia and Other Diagnoses
Neil Baker, Lawrence E. Adler, Ronald D. Franks, Merilyne Waldo, Sandra Berry, Herbert Nagamoto, Andrew Muckle, and Robert Freedman

COMMENT

618 Diagnostic Utility of the Dexamethasone Suppression Test
K. Ranga Rama Krishnan, J.R.T. Davidson, K. Rayasam, Khalil S. Tanas, Faye S. Shope, and Susan Pelton

CASE REPORTS

629 Electroconvulsive Therapy of Depression in Patients with White Matter Hyperintensity
C. Edward Coffey, Philip E. Hinkle, Richard D. Weiner, Charles B. Nemeroff, K. Ranga R. Krishnan, Indu Varia, and Daniel C. Sullivan

637 Augmentation of ECT Seizures with Caffeine
C. Edward Coffey, Richard D. Weiner, Philip E. Hinkle, Martha Cress, Gordon Daughtry, and William H. Wilson

650 Hyponatremia-Induced Organic Mental Disorder May Mask Paranoid Schizophrenia
W. Wolfgang Fleischhacker, Christian Barnas, and Maximilian Ledochowski

BRIEF REPORTS

653 Electrodermal Psychophysiology of Anxiety Disorder: Orienting Response and Spontaneous Fluctuations
Scott P. Orr and Roger K. Pitman

657 A Controlled Trial of Methylene Blue in Severe Depressive Illness
G. J. Naylor, A. H. W. Smith, and P. Connelly

CORRESPONDENCE

660 Lithium, Metal Ions, and Choline; Prolactin Response to TRH in Alzheimer's Disease; Response

Volume 22, Number 6, June 1987

665 EDITORIAL Two Modest Proposals

A.E. BENNETT AWARD PAPER

667 Obsessive-Compulsive Disorder: Psychobiological Approaches to Diagnosis, Treatment, and Pathophysiology
Joseph Zohar and Thomas R. Insel

ARTICLES

688 Disordered Spatiotemporal Processing in Schizophrenics
Barry D. Schwartz, Terrell McGinn, and Daniel K. Winstead

699 Performance of Chronic Schizophrenics on Matched Word and Design Recall Tasks
Avraham Calev, Yaacov Korin, Sol Kugelmass, and Bernard Lerer

710 Naltrexone and Dysphoria: A Double-Blind Placebo Controlled Trial
Robert Malcolm, Patrick Mahlen O'Neil, Judith M. Von, and Patricia C. Dickerson

717 Growth Hormone Response to Apomorphine and Family Patterns of Illness
Frederic Sautter, David L. Garver, Frank P. Zemlan, and Jack Hirschowitz

725 Is Plasma GABA of Peripheral Origin?
Frederick Petty, Gerald Kramer, and Mark Feldman

733 Clinical Predictors of Response to Antidepressants in Elderly Patients
Anastasios Georgotas, Robert E. McCue, Thomas Cooper, Irene Chang, Pervez Mir, and Joan Welkowitz

741 Characteristics of Obstructive and Central Sleep Apnea in the Elderly: An Interim Report
Sonia Ancoli-Israel, Daniel F. Kripke, and William Mason

751 Huntington's Disease: Correlations of Mental Status with Chorea
Mark Webb and Paula T. Trzepacz

CASE REPORTS

762 Combined Alprazolam and Phenelzine Treatment of Refractory Depression with Panic Attacks
Raymond F. Deicken

767 Organic Affective Disorder in a Patient with Congenital Adrenal Hyperplasia
Steven R. Feldman, K. Ranga Rama Krishnan, Harry McPherson, and Diane E. Meglin

BRIEF REPORTS

771 The Choreometer: An Objective Test of Chorea during Voluntary Movements
Paula T. Trzepacz and Mark Webb

776 The Relation of Dominant and Submissive Behavior to the Humoral Immune Response in BALB/c Mice
Michael A. Fauman

779 Verapamil in the Treatment of Recurrent Unipolar Depression
Mark A. Pollack and Jerrold F. Rosenbaum

783 DST in Bulimia without Endogenous Depression
Alan B. Levy and Katharine N. Dixon

786 Infant Separation Distress in Genetically Fearful Rats
Thomas R. Insel and James L. Hill

789 The Sleep Lactate Infusion: Arousal and the Panic Mechanism
Harold W. Koenigsberg, Charles Pollak, and Timothy Sullivan

792 Dexamethasone Suppression Test in Schizophrenic Patients: Report from India
S. Joseph, P. Kulhara, and R. J. Dash

CORRESPONDENCE

796 Lack of Weight Gain Under Desipramine; Ceruletide for Tardive Dyskinesia; Hypoglycemic Effect of Lithium; Diurnal Mood Variation and REM Latency in Depression

802 NEWS AND NOTES

Volume 22, Number 7, July 1987

805 EDITORIAL Elementary, Dear Watson!

ARTICLES

807 Treatment of Psychiatric Illness by Stereotactic Cingulotomy
H. Thomas Ballantine, Jr., Anthony J. Bouckoms, Elizabeth K. Thomas, and Ida E. Giriunas

820 Sleep EEG in Bulimia
James I. Hudson, Harrison G. Pope, Jr., Jeffrey M. Jonas, John W. Stakes, Victoria Grochocinski, Joseph F. Lipinski, and David J. Kupfer

829 Psychophysiological Response Patterns in College Students with High Physical Anhedonia: Scores Appear to Reflect Schizotypy Rather than Depression
A.S. Bernstein and J.A. Riedel

848 Late Positive Component Amplitude in Schizophrenics and Alcoholics in Two Different Paradigms
M. Brecher, B. Porjesz, and H. Begleiter

857 The Effect of Lithium on the Membrane Molecular Dynamics of Normal Human Erythrocytes
J.W. Pettegrew, J.W. Short, R.D. Woessner, S. Strychor, D.W. McKeag, J. Armstrong, N.J. Minshew, and A.J. Rush

872 Polysomnographic Findings and Dexamethasone Nonsuppression in Unipolar Depression: A Replication and Extension
Donna E. Giles, Michael A. Schlesser, A. John Rush, Paul J. Orsulak, Carl L. Fulton, and Howard P. Roffwarg

883 Dexamethasone Suppression Test and Urinary MHPG · SO_4 Determination in Depressive Disorders
Dongfeng Zhou, Yucun Shen, Liang Shu, and Hechun Lo

892 Alterations by Antidepressants of Cerebrospinal Fluid Formation and Calcium Distribution Dynamics in the Intact Rat Brain
Amiram I. Barkai and Henry D. Nelson

CASE REPORT

899 Influence of Naloxone on Brain and Behavior of a Self-Injurious Woman
Curt A. Sandman, Jennifer L. Barron, Francis M. Crinella, and James F. Donnelly

BRIEF REPORTS

907 Elevated Hematocrit in Patients with Schizophrenia
Roy J. Mathew and William H. Wilson

910 REM Latency Concordance in Depressed Family Members
Donna E. Giles, Howard P. Roffwarg, and A. John Rush

914 Chronic Inescapable Footshock Produces Cholinergic System Supersensitivity
Steven C. Dilsaver and Norman E. Alessi

919 Symptom Correlates of Eye Tracking Dysfunction
Robert J. van den Bosch, Nico Rozendaal, and Jan M.F.A. Mol

922 Olfactory Sensitivity to Androstenone in Schizophrenic Patients
Ruth Gross Isseroff, Moshe Stoler, Dov Ophir, Doron Lancet, and Pinkhas Sirota

CORRESPONDENCE

926 Pearson's Correlation Coefficient, *p*-Value, and Lithium Therapy; Ultradian Sleep Rhythms and Cortisol; Response; β-Adrenergic Agonists and 5-HT Receptors; Response

Volume 22, Number 8, August 1987

931 EDITORIAL What Is Sleep?

ARTICLES

933 Urinary 5-Hydroxyindoleacetic Acid and Whole Blood Serotonin and Tryptophan in Autistic and Normal Subjects
Ruud B. Minderaa, George M. Anderson, Fred R. Volkmar, Grard W. Akkerhuis, and Donald J. Cohen

941 Motor Activity in Depressed Patients Treated with Carbamazepine
Russell T. Joffe, Thomas W. Uhde, Robert M. Post, and Marcia D. Minichiello

947 Diagnostic Performance of Basal Free Cortisol/18-Hydroxy-11-Deoxycorticosterone (18-OH-DOC) Ratio in Endogenous Depression: Comparison with the Dexamethasone Suppression Test
Emilie Demey-Ponsart, Marc Ansseau, José Sulon, Remy von Frenckell, Jean-Luc Cerfontaine, Patrick Papart, Georges Franck, Vincent Geenen, and Jean-Jacques Legros

957 The Dexamethasone Suppression Test: Importance of Dexamethasone Concentrations
K.P. Maguire, I. Schweitzer, N. Biddle, S. Bridge, and J.W.G. Tiller

968 Abnormalities of Copper in Gilles de la Tourette Syndrome
Mary Robertson, Kenneth Evans, Anthony Robinson, Michael Trimble, and Peter Lascelles

979 Mediational Factors Underlying Cognitive Changes and Laterality in Affective Illness
Linda R. Sapin, Wade H. Berrettini, John I. Nurnberger, Jr., and Lawrence A. Rothblat

987 Temperature Dependence of the Molecular Dynamics of Platelet Membranes in Alzheimer's Disease
George S. Zubenko, Ivana Malinakova, and Bruce M. Cohen

995 Asymmetric Rotational (Circling) Behavior, A Dopamine-Related Asymmetry: Preliminary Findings in Unmedicated and Never-Medicated Schizophrenic Patients
H. Stefan Bracha

REVIEW

1004 Neuroleptic Malignant Syndrome: Review and Analysis of 115 Cases
Gerard Addonizio, Virginia L. Susman, and Steven D. Roth

BRIEF REPORTS

1021 Frontal Spectral EEG Findings in Acutely Ill Schizophrenics
Peter Williamson and Mortimer Mamelak

1025 Theophylline-Sensitive T-Lymphocyte Subpopulation in Schizophrenic Patients
H. Bessler, J. Eviatar, M. Meshulam, S. Tyano, M. Djaldetti, and P. Sirota

1029 The Effect of Age on Baseline and Postdexamethasone Cortisol Levels in Major Depressive Disorder
Harvey A. Whiteford, Cecilia A. Peabody, Sue Thiemann, Helena C. Kraemer, John G. Csernansky, and Philip A. Berger

1033 Effect of Phenelzine on Thyroid Function in Depressed Patients
Russell T. Joffe and William Singer

1035 The Plasma Dexamethasone "Window" and the Dexamethasone Suppression Test in Depression
Gordon F. Johnson, Glenn Hunt, Kristin Kerr, and Ian Caterson

IN MEMORIAM

1040 Lauretta Bender 1899–1987
Stella Chess

CORRESPONDENCE

1043 Corpus Callosum in Schizophrenia; Response; The Geography of DST; Diurnal Mood Variation and REM Latency in Depression; Response; Temperature Regulation and Dopamine in Schizophrenia; Cold Stress and Cholinergic Supersensitivity

1053 NEWS AND NOTES

Volume 22, Number 9, September 1987

1055 EDITORIAL Epilepsy, Frontal Lobe, and Personality

ARTICLES

1058 Normal Cerebral Asymmetry in Bipolar Patients
Mantosh J. Dewan, Chaitanya V. Haldipur, Edward Lane, Mary Pat Donnelly, Michael Boucher, and Leslie F. Major

1067 RS 86 in the Treatment of Alzheimer's Disease: Cognitive and Biological Effects
Eric Hollander, Michael Davidson, Richard C. Mohs, Thomas B. Horvath, Bonnie M. Davis, Zvi Zemishlany, and Kenneth L. Davis

1079 Diminished Mitogen-Induced Calcium Uptake by Lymphocytes from Alzheimer Patients
Gary E. Gibson, Pamela Nielsen, Kathleen A. Sherman, and John P. Blass

1087 Plasma Phospholipid Essential Fatty Acids and Prostaglandins in Alcoholic, Habitually Violent, and Impulsive Offenders
Mattie E. Virkkunen, David F. Horrobin, Douglas K. Jenkins, and Mehar S. Manku

1097 Erythrocyte Acetylcholinesterase in Psychiatric Disorders and Controls
Juergen Fritze and Helmut Beckmann

1107 Intravenous Procaine as a Probe of Limbic System Activity in Psychiatric Patients and Normal Controls
Charles H. Kellner, Robert M. Post, Frank Putnam, Rex Cowdry, David Gardner, Mitchel A. Kling, Marcia D. Minichiello, Joan R. Trettau, and Richard Coppola

1127 Plasma MHPG Levels in Lactate and Isoproterenol Anxiety States
Robert Pohl, Eva Ettedgui, Mary Bridges, Helene Lycaki, David Jimerson, Irwin Kopin, and John M. Rainey

1137 Postdexamethasone Plasma Cortisol and β-Endorphin Levels in Depression: Relationship to Severity of Illness
James H. Meador-Woodruff, Roger F. Haskett, Leon Grunhaus, Huda Akil, Stanley J. Watson, and John F. Greden

BRIEF REPORTS

1151 Dexamethasone Nonsuppression and EEG Abnormalities
Kevin B. Miller and J. Craig Nelson

1155 Platelet MAO-B and Endogenous MAO-A Inhibitory Activity in Depressed Patients: Stability with Electroconvulsive Treatment
P.L. Moriearty, C. Herrick, M. Shafey, P. Bornstein, and R.E. Becker

1158 Plasma Dopamine-β-Hydroxylase, HVA, MHPG, and Conduct Disorder in Emotionally Disturbed Boys
Graham A. Rogeness, Martin A. Javors, James W. Maas, Carlos A. Macedo, and Charles Fischer

1163 Effect of Gamma Interferon on the Hypothalamic–Pituitary–Adrenal System
Ranga Krishnan, Everett H. Ellinwood, Jr., John Laszlo, Linda Hood, and James Ritchie

1166 Minor Physical Anomalies in Violent Adult Inpatients
Martha L. Crowner, Judith Jaeger, Antonio Convit, David Brizer, and Jan Volavka

1169 Carbamazepine in Obsessive-Compulsive Disorder
Russel T. Joffe and Richard P. Swinson

CORRESPONDENCE
1172 Gliosis in Schizophrenia; Response

1176 NEWS AND NOTES

Volume 22, Number 10, October 1987

1181 EDITORIAL ECT: Second Generation Instruments

ARTICLES
1184 Myoclonic Seizures with Lithium
Steven C. Julias and Richard P. Brenner

1191 Lithium and Rhythms of Beta-Adrenergic ([^{3}H]CGP-12177) Binding in Intact Rat Retina, Pineal Gland, and Hypothalamus
Michael Wilkinson, Mahendra Joshi, Eva S. Werstiuk, and Jo Seggie

1201 Right Hemisphere Involvement in Depression: Toward a Neuropsychological Theory of Negative Affective Experiences
Michael W. Otto, Ronald A. Yeo, and Michael J. Dougher

1216 Prolactin Secretion During Sleep: A Comparison between Depressed Patients and Healthy Control Subjects
David B. Jarrett, Jean M. Miewald, Iva B. Fedorka, Patricia Coble, David J. Kupfer, and Joel B. Greenhouse

1227 Visuomotor Performance of Schizophrenic Patients and Normal Controls in a Picture Viewing Task
W. Gaebel, G. Ulrich, and K. Frick

1238 Serum Pseudocholinesterase in Psychiatric Patients
Ilan Modai, Bruria Schwartz, and Dov Aizenberg

1243 Stable Adrenocorticotropin-Stimulated 11-β-Hydroxylase Activity but Loss of Age-Related Changes in Patients with Hypercortisolemia
Roger G. Kathol, William Meller, Richard S. Jaeckle, and Juan F. Lopez

1253 Relationship of Clinical Factors to Caloric Requirements in Subtypes of Eating Disorders
Michael M. Newman, Katherine A. Halmi, and Peggy Marchi

1264 Laboratory Evaluation for Cushing's Syndrome in Psychiatric Patients with Cortisol Nonsuppression following the Overnight Dexamethasone Suppression Test
Thomas H. Lampe, Bruce L. Fariss, Steven C. Risse, Murray A. Raskind, and Stephen R. Plymate

BRIEF REPORTS
1271 Confirmation of Babinski-Like Response in Periodic Movements in Sleep (Nocturnal Myoclonus)
Robert C. Smith

1274 Captopril as an Antidepressant: Lack of Effect in Animal Models of Serotonergic Function
G. M. Goodwin and A. J. Wood

1276 A Preliminary Study of Plasma αMSH Concentrations in Depressed Patients and Normal Subjects
Bruce G. Charlton, I. Nicol Ferrier, Alison M. Gibson, J. Alan Biggins, A. Leake, Carolyn Wright, and James A. Edwardson

1280 Smoking and Tardive Dyskinesia
Renee L. Binder, Hajime Kazamatsuri, Tsuyoshi Nishimura, and Dale E. McNiel

1283 Plasma 10-Hydroxynortriptyline and Renal Function in Elderly Depressives
Robert C. Young, George S. Alexopoulos, Amiya K. Dhar, and Henn Kutt

1288 Seasonality of Birth and CT Findings in Schizophrenia
Robert B. Zipursky and S. Charles Schulz

CORRESPONDENCE
1293 Dosage, Threshold, and Duration of ECT; Response; Thioridazine and Neuroleptic Malignant Syndrome

1298 NEWS AND NOTES

1299 Correction

Volume 22, Number 11, November 1987

1301 EDITORIAL Columbus, Grantmanship, and Clinical Research

A. E. BENNETT AWARD PAPER
1304 Cortical "Stress Tests" in Schizophrenia: Regional Cerebral Blood Flow Studies
Karen Faith Berman

1327 Interindividual Differences in the Susceptibility of the Cortisol System: An Important Factor for the Degree of Hypercortisolism in Stress Situations?
Mathias Berger, Sabine Bossert, Jürgen-Christian Krieg, Gerhard Dirlich, Werner Ettmeier, Wolfgang Schreiber, and Detlev von Zerssen

1340 Plasma Dexamethasone Kinetics during the DST after Oral and Intravenous Administration of the Test Drug
Klaus Wiedemann and Florian Holsboer

1349 Glutathione Peroxidase and CT Scan Abnormalities in Schizophrenia
Trent D. Buckman, Arthur S. Kling, Samuel Eiduson, Mary S. Sutphin, and Alan Steinberg

1357 Early Pharmacokinetics and Clinical Effects of Oral D-Amphetamine in Normal Subjects
Burt Angrist, June Corwin, Barbara Bartlik, and Thomas Cooper

1369 Reduced Haloperidol and Haloperidol: Effects on Homovanillic Acid in Caudate and Prefrontal Cortex
Wen-Ho Chang, Ho-Sheng Wu, and Yung-Te Tseng

1375 Adrenoleukodystrophy: Frequency of Presentation as a Psychiatric Disorder
Winston Kitchin, Steven A. Cohen-Cole, and Susan F. Mickel

REVIEW
1388 The Role of Molecular Genetics in Psychiatry
Elliot S. Gershon, Carl R. Merril, Lynn R. Goldin, Lynn E. DeLisi, Wade H. Berrettini, and John I. Nurnberger, Jr.

BRIEF REPORTS

1406 Low Plasma Reduced Haloperidol/Haloperidol Ratios in Chinese Patients
Wen-Ho Chang, Teng-Yi Chen, Ching-Fa Lee, Wei-Herng Hu, and Eng-Kung Yeh

1409 Pituitary–Adrenal Disinhibition and Suicide Attempts in Depressed Patients
Jose L. Ayuso-Gutiérrez, Jose A. Cabranes, Eduardo Garcia-Camba, and Isabel Almoguera

1413 Hemispheric Asymmetry of Augmenting/Reducing in Visual and Auditory Evoked Potentials
Fernando Lolas, Carlos Collin, Susana Camposano, René Etcheberrigaray, and Reginald Rees

1417 In Vivo Differentiation of Cardiac Vagal Blocking Effects of Chlorpromazine and Haloperidol
Gabriel Schreiber and Robert H. Belmaker

1422 NEWS AND NOTES

Volume 22, Number 12, December 1987

1425 EDITORIAL The History of Intelligence

ARTICLES

1429 Decreased Plasma Serotonin in Melancholic Patients: A Study with Clomipramine
M.J. Sarrias, F. Artigas, E. Martínez, E. Gelpí, E. Alvarez, C. Udina, and M. Casas

1439 Skin Fibroblast Beta-Adrenergic Receptor Function in Manic-Depressive Illness
Wade H. Berrettini, Josiane Bardakjian, Charles B. Cappellari, Arthur L. Barnett, Jr., Allen Albright, John I. Nurnberger, Jr., and Elliot S. Gershon

1444 Acute Effect of Some Psychotropic Drugs on Low-Frequency Amygdaloid Kindled Seizures
Yoshio Minabe, Yasuyuki Tanii, and Masayoshi Kurachi

1451 Muscarinic Cholinergic Receptors on Intact Human Lymphocytes. Properties and Subclass Characterization
Birgit Bering, Hans W. Moises, and Walter E. Müller

1459 Is There Gliosis in Schizophrenia? Investigation of the Temporal Lobe
Gareth W. Roberts, Nigel Colter, Raymond Lofthouse, Eve C. Johnstone, and Timothy J. Crow

BRIEF REPORTS

1469 Plasma Catecholamine Metabolites in Subtypes of Major Depression
Carolyn M. Mazure, Malcolm B. Bowers, Jr., Frederick Hoffman, Jr., Kevin B. Miller, and J. Craig Nelson

1473 Cardioacceleratory Responses to Arecoline Infusion during Sleep in Depressive, Anxious, and Normal Subjects
Matcheri Keshavan, Don A. Jones, Sanjay Dube, John Grabowski, Jesse Bell, and Natraj Sitaram

1477 Clinical Correlates of Sleep Onset REM Periods in Depression
Anand Kumar, James E. Shipley, Alan S. Eiser, Michael Feinberg, Pam Flegel, Leon Grunhaus, and Roger F. Haskett

1481 Taste and Smell Perception in Depression
Jay D. Amsterdam, R. Gregg Settle, Richard L. Doty, Ellen Abelman, and Andrew Winokur

1485 Decrease in Core Temperature as an Indication of Cholinergic Overdrive during Amitriptyline Withdrawal
Steven C. Dilsaver and Mark J. Majchrzak

1488 Antibody to Discrete Areas of the Brain in Normal Individuals and Patients with Schizophrenia
R.H. Kelly, Rohan Ganguli, and Bruce S. Rabin

1491 Plasma MHPG in Untreated Panic Disorder
Matthew J. Edlund, Alan C. Swann, and Chester M. Davis

1495 Attenuated Growth Hormone Response to Growth Hormone-Releasing Hormone in Major Depressive Disorder
Klaus-Peter Lesch, Gerd Laux, Armin Erb, Hans Pfüller, and Helmut Beckmann

1499 Lack of Effects of Hospitalization and Oral Contraceptives on DST Results in Control Subjects
Hugo D'haenen, Denise de Weert, and Marc Ansseau

CORRESPONDENCE

1503 5–HT and the Functional Approach; Response; Maybe Handwriting Would Help

1505 NEWS AND NOTES

1506 Acknowledgment

1511 Author Index to Volume 22

1524 Subject Index to Volume 22